NAME:…….... INDEX NO: | | | | | | | | |

SCHOOL:……

SIGNATURE:……

545/2
CHEMISTRY PAPER 2
(PRACTICAL)
MOCK 2024
AUGUST
TIME:2 HRS

MEBU EXAMINATIONS CONSULT

Uganda Certificate Of Education

MOCK ASSESSMENTS 2024

CHEMISTRY PAPER 2

(PRACTICAL)

TIME:2HRS

INSTRUCTIONS TO CANDIDATES

- This paper consists of **ONE** compulsory examination item.
- Answers **MUST** be written in the spaces provided. Use **blue** or **black** ink to write.
- **ALL** answers **MUST** be written in the spaces provided with clear working.
- Graph paper is provided for you in the paper.
- You are **not** allowed to use reference books like text books, and practical booklets.
- You are advised to **carefully** read the item, make sure you have all the apparatus and chemicals you may need and then plan appropriately before starting.

FOR ASSESSMENT USE ONLY		
ITEM	SCORES	EXAMINERS' INITIAL ONLY
1		
TOTAL		

ITEM 1.

S.3 students of Luube seed secondary School in Luwero District were carrying out a scientific experiment on neutralization reactions. During the experiment, John was randomly picked by the chemistry teacher and instructed to add a prepared solution of an acid to an alkaline solution in a reaction vessel. The students noticed that the reaction vessel became warmer when they touched it. John and his classmates could not understand why and how much heat had been generated.

Sodium hydroxide reacts with hydrochloric acid according to the following equation.

$$NaOH + HCl_{(aq)} \longrightarrow NaCl_{(aq)} + H_2O_{(l)} + Heat$$

The heat produced varies with the volume of acid added to the base.

You are provided with;

BA1 which is sodium hydroxide solution

BA2 which is Hydrochloric acid solution

TASK:

(a) As a learner of chemistry;

(i) Design an experiment you will carry out to determine the amount of heat, produced during the reaction when **BA1** is added to **BA2**.

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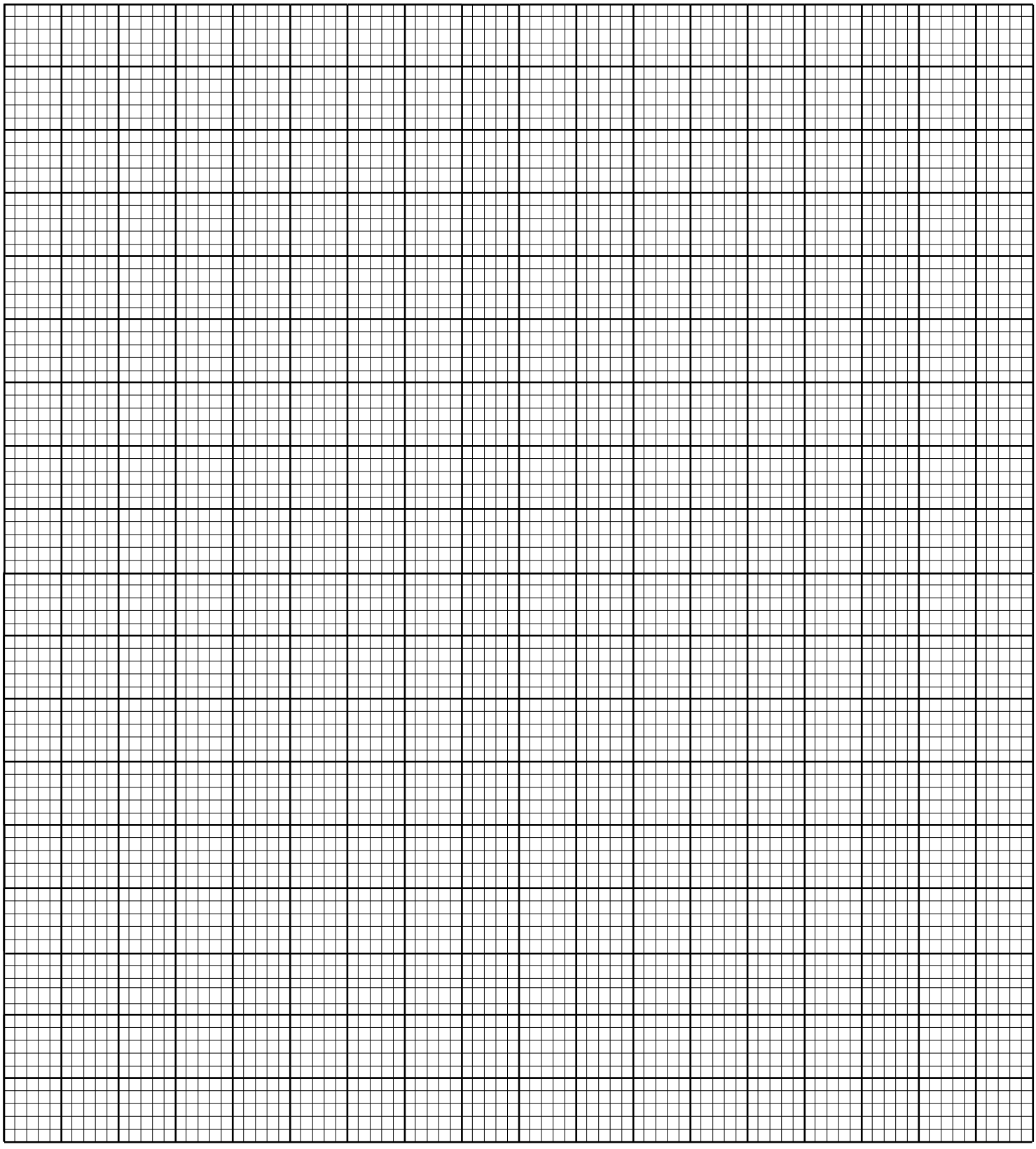
b). Carry out the experiment and record your findings.



c). what can John and his classmates deduce from your findings

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END